

REMARKS

Summary

In the Office Action, claims 1-7, 9, 12, 14-19, 21, and 23-30 stand rejected, and claims 8, 10, 11, 13, 20, and 22 are objected to.

In response, claims 1-6, 11, 15, 16, 18-21, 24, and 25 have been amended, and claims 7-10, 12-14, 21-23, 28-30 have been cancelled. No new has been introduced.

Objections to Drawings under 37 C.F.R. 1.83(a)

The drawings are objected to as allegedly failing to show every feature of the invention as specified in the claims. Specifically, the drawings are objected to for failing to include the dynamic random access memory as set forth in claims 25 and 28. Applicant respectfully disagrees with the assertion. Figure 9, for instance, depicts a system including temporary memory 920, which may comprise dynamic random access memory. Notwithstanding Applicant's disagreement with the objection, Applicant has amended the Specification in the interest of expediting prosecution. Specifically, Applicant has amended the Specification to include dynamic random access memory as an exemplary temporary memory. Applicant believes that the drawings now are in compliance with 37 C.F.R. 1.83(a).

Rejections under 35 U.S.C. § 112, second paragraph

Claims 25 and 28 are rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the enablement requirement. Specifically, it is alleged that claims 25 and 28 contain subject matter, dynamic random access memory, which is not described in the Specification in such a way as to enable one skilled in the art to which it pertains. Claim 28 has been cancelled thereby rendering moot the rejection thereof. With regard to claim 25 and as discussed above, although Applicant disagrees, the Specification has been amended to include an embodiment of a system including dynamic random access memory. Therefore, claim 25 now stands in condition for allowance.

Rejections under 35 U.S.C. § 102 and 103

Claims 1, 4-7, 9, 12, 14, 16, 18, 19, 21, and 23 stand rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent Publication 2003/0145257 of Fields et al. (“Fields”), claims 12, 15, 21, and 24 stand rejected under § 102 as being anticipated by U.S. Patent No. 6,006,311 issued to Arimilli et al. (“Arimilli”), and claims 2, 3, 17, and 25-30 stand rejected under § 103 as being unpatentable over Fields.

Claims 7, 9, 12, 14, 21, 23, and 28-30 have been cancelled thereby rendering moot the rejections thereof.

Regarding the remaining rejections, independent claims 1, 16, and 25 have been amended to include limitations that were indicated in the Office Action as allowable subject matter. Namely, the allowable subject matter includes the limitations of claims 8, 10, 11, 13, 20, and 22, such as modification of a cache management system including modifying a value corresponding to a particular set such that a cache line is less likely to be accessed, and assignment of a disable state as part of a MESI state assignment. Therefore, claims 1, 16, and 25 now stand in condition of allowance.

Claims 2-6, 11, 15, 17-20, 24, 26, and 27 depend from one of claims 1, 16, and 25, either directly or via an intervening claim, and are therefore allowable for at least the same reason.

CONCLUSION

In view of the foregoing, Applicant respectfully submits that claims 1-6, 11, 15-20, and 24-27 are in condition of allowance. Thus, entry of the offered amendments and early issuance of Notice of Allowance is respectfully requested.

The Commissioner is hereby authorized to charge shortages or credit overpayments to Deposit Account No. 500393.

Respectfully submitted,
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